

LAND APPLICATION OF BIOSOLIDS SITE INSPECTION FORM

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| GENERAL INFORMATION: | | DATE: 10/21/2005; 11/01/2005 onsite | |
| COUNTY: Frederick | | CONTRACTOR/MUNICIPALITY: Synagro Mid-Atlantic, Inc. | |
| NAME (OWNER/OPERATOR): John Good FD46 | | | |
| INSPECTED BY: Scott Haley (writer) | | PERMIT NO: VDHBUR 24A | |
| FIELD NO: FD46 - 23 | | ACRES: 41.1 (36.1 applied) | |
| OTHERS PRESENT: Laura Shifflett, Fred. Co.; Gary Gardner, Synagro; Julie & Kevin Shanabrook | | | |
| FIELD DATA/OBSERVATIONS: | | TIME: 12:45 PM | |
| WEATHER: clear | | SOIL CONDITIONS: moist | |
| BIOSOLIDS SOURCE: Blue Plains, Strasburg, Seneca | | BIOSOLIDS TYPE: lime stabilized | |
| SOIL pH: 5.1 | | % SOLIDS OF BIOSOLIDS: 25-30% | |
| APPLICATION RATE: ½ hay rate - target rate of 125lbs PAN /acre | | | |
| CROP AND EXPECTED YIELD: Tallgrass hay | | | |
| LOAD TO DATE (WT): see monthly reports (actual application rate 116.52 lbs PAN / acre) | | | |
| BIOSOLIDS APPLIED: | | () LIQUID (X) DEWATERED | |
| MODE OF APPLICATION: | | (X) SURFACE () SURFACE W/INCORP. () INJECTION | |
| APPLICATION LIMITED BY: | | (X) NITROGEN () pH | |
| | | () MAX. HYDRAULIC LOADING (LIQUID BIOSOLIDS) | |
| | | () MAX. SOLIDS LOADING (15 DRY TONS/ACRE) | |
| | | () OTHER (SPECIFY): | |
| FIELD OBSERVATIONS | | | |
| BUFFERS OBSERVED: | | | YES X |
| UNIFORM APPLICATION: | | | X |
| PROPER FIELD RECORDS: N/A | | | X |
| SIGNS OF RUNOFF: | | | X |
| TRUCKS NON-SPILL/WATERTIGHT: | | | X |
| CONDITION OF HAUL ROUTE SATISFACTORY: | | | X |
| ODORS PRESENT: | | (X) NONE (X) NORMAL () ABOVE NORMAL | |
| OVERALL CONDITION OF SITE: | | (X) GOOD () FAIR () POOR | |

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| <p><u>COMMENTS:</u></p> <p>PAN = Plant Available Nitrogen</p> | <p>Writer performed a site review with Laura Shifflet, Frederick County Biosolids Monitor, and Synagro field staff on 9/30/2005. The review was made by a request from Synagro to update the existing site books.</p> <p>10/21/2005 Mrs. Julie Shanabrook, a resident of Frederick County contacted the local environmental organization, which contacted DEQ-VRO. The DEQ Regional Office referred the complaint to VDH. Mrs. Shanabrook was concerned about possible contamination of a pond from runoff draining from a land application site. Writer and local monitor had inspected the site and established buffer set-backs around drainageways, rocks, and slopes.</p> <p>10/24/2005 Laura Shifflett, local monitor, re-inspected the site and following discussions with the complainant, requested that certain buffer set-backs be increased. The land applier agreed to Ms. Shifflett's request.</p> <p>11/01/2005 Writer and local monitor met with Mr. and Mrs. Shanabrook onsite to discuss their concerns about runoff to a pond that is sometimes used for swimming. Writer and local monitor inspected the land application area and found no evidence of runoff of biosolids from the permanent hay/pasture field. Steep slopes and drainageways had been buffered. Property line buffers were in excess of regulatory requirements.</p> <p>Mrs. Shanabrook requested additional information regarding rates of application and source analyses.</p> |
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Frederick County – Laura Shifflett (email)
Frederick Co. HD – Steve Lee (email)
Synagro Mid-Atlantic, Inc.